

## Fleece-backed fully bonded synthetic TPO waterproofing membrane

### Uses

Provides a fully bonded waterproof membrane system for building and civil engineering structures and is particularly suited to above ground applications including green roofs

- Podiums, garden roofs, flat/sloping roofs and green roofs.

### Advantages

- Adhesion to most common building materials
- Environment friendly, no VOC, no plasticisers
- High resistance to weathering and UV.
- Fast application
- Welded joints for maximum watertightness
- Excellent long terms performance

### Description

TPO/FPA (Thermoplastic Polyolefin Flexible Polypropylene Alloy) membrane produced by extrusion of granules resulting from the incorporation of ethylene propylene rubber into a polypropylene matrix together with other additives as appropriate to the type of membrane. A synthetic polyester fleece is attached to the bottom part of the membrane, leaving a selvedge on both sides for welding.

The membrane is manufactured in two different colours, it is coloured grey on top and black on the underside. This helps to identify any damages that may occur during application.

### Standard compliance

Independently certified performance, BBA certificate number 15/5242.



### Specification

The waterproofing shall be a 1.2mm/1.5mm thick fully bonded TPO/FPA membrane with hot air welded seams.

### Typical Properties

Thickness : 1.2mm & 1.5mm  
(EN 1849-2)

Standard Colours : Upper layer : Grey  
Under side : Black

Weight per unit area : 1.2mm : 1.20  
(EN1849-2)(kg/m<sup>2</sup>) : 1.5mm : 1.41

Tensile strength(ASTM D412 and EN 12311-2)  
Longitudinal : 1.2mm : 16N/mm<sup>2</sup>  
: 1.5mm : 17N/mm<sup>2</sup>  
Transversal : 1.2mm : 16N/mm<sup>2</sup>  
: 1.5mm : 18N/mm<sup>2</sup>

Elongation at break(ASTM D412 and EN 12311-2)  
Longitudinal : > 700%  
Transversal : > 800%

Puncture resistance : Pass test > 2000mm  
(EN 12691 dynamic)

Water impermeability : Pass test  
(EN 1298)

Water vapour transmission : Nil  
(ASTM 96)

Tear resistance(EN 12310-1)  
Longitudinal : 1.2mm:690N  
: 1.5mm:820N  
Transversal : 1.2mm:750N  
: 1.5mm:800N

Root resistance : Pass test-no penetration  
(FLL)

Lap joint strength : Pass test-broken out joint  
(EN 12317 and UEATc)

Durability : Pass test - 2500 hrs  
Resistance UV : - no Crack  
(EN1297)

Hail resistance : >26m/s  
(EN13583)

Resistance to : Pass test - Level 2  
Micro-organism(EN846)

Suitable for use in : Pass test  
contact with potable  
water (BS6920)

### Instructions for use

#### Surface preparation

Surfaces should be free from cavities and projecting nibs. All surfaces shall be free from running water. Refer to method statement for further details.

#### Adhesive

Apply Fosroc Proofex OFB adhesive by scraper or roller at coverage rate to suit substrate, typically approximately 0.2kg/ m<sup>2</sup>. Leave for 5 to 10 minutes

# Fosroc® Proofex OFB

## Membrane

Lightly moisten the Fosroc Proofex OFB membrane on the fleece side to improve the initial bond strength, then roll the membrane into the adhesive before skin formation, and press firmly, press again after 30 minutes if required. A selvedge is provided along both edges of the membrane. The membrane layers are overlapped at the selvedge to achieve a minimum weld of 50mm. At roll ends, the membrane is butted together and a 100mm wide strip of Fosroc OGP welded on top of the Fosroc Proofex OFB membrane.

For corner detailing use Fosroc Proofex OGP Internal/External corner pieces.

For upstand terminations use Fosroc Proofex Metal Strip.

For additional details on installation including relevant fixings and washers and a list of Fosroc approved applicators refer to your local Fosroc office.

## Storage

Fosroc Proofex OFB must be stored in a cool, dry store in the original upopened packaging.

Store rolls horizontally, not more than one pallet high.

## Precautions

### Health and Safety

There are no health hazards associated with the use of Proofex OFB. For information associated with Proofex OFB Adhesive please consult the relevant MSDS.

### Fire

Proofex OFB is non flammable

### Supply

Proofex OFB : 2.1m wide x 25m long rolls  
(1.2mm and 1.5mm)

Proofex OFB Adhesive 20kg pail  
(Coverage rates approx  
0.2kg/m<sup>2</sup>)

Proofex Metal Strip 1m x 2m sheets  
1.2mm thick 1m x 3m sheets

Proofex OGP Each Corner pieces

## Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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